

Appl. No.: 10/781,490  
Amtr. Dated: October 1, 2004  
Reply to Office Action of July 19, 2004

**AMENDMENTS TO THE SPECIFICATION**

Please substitute the attached new specification in place of the specification as originally filed. The substitute specification submitted herewith now complies with the requirements of 37 C.F.R. § 1.52(a) and (b) and does not contain new matter.

## **TITLE OF THE INVENTION**

### **CAPACITOR**

#### **CROSS REFERENCE TO RELATED APPLICATIONS**

Not applicable.

#### **STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT**

Not applicable.

#### **CROSS-REFERENCE TO RELATED APPLICATIONS**

Not applicable.

## **BACKGROUND OF THE INVENTION**

### **1. FIELD OF THE INVENTION**

[0001] The present invention relates to a capacitor. More particularly, the present invention relates to a capacitor comprising a ceramic dielectric and at least two electrodes, said dielectric being predominantly composed of a dielectric ceramic composition whose main component comprises alumina and which further comprises barium titanium oxide, magnesium oxide, silicon oxide, zirconium oxide and hafnium oxide.

[0002] As is known a capacitor is an electric circuit element used to store charge temporarily, consisting in general of two metallic plates separated and insulated from each other by a dielectric. Thus a capacitor is most simply defined as two conductors separated by a dielectric.

[0003] More specifically, a capacitor is a passive electronic component that stores energy in the form of an electrostatic field. In its simplest form, a